

AMENDMENT TO CLAIMS

1 (previously presented). A method for analyzing the energy content of an electrical signal for detecting voice, said method comprising the steps of:

- (a) digitizing the signal;
- (b) defining a first count and a second count, wherein the first count is greater than the second count;
- (c) comparing the digitized signal with the first count and the second count to produce a number representative of the comparison;
- (d) repeating steps (b) and (c) to produce a plurality of numbers;
- (e) converting the plurality of numbers into a first sum; and
- (f) comparing the first sum to a third count, wherein a sum exceeding the third count is indicative of a voice signal.

2 (original). The method as set forth in claim 1 wherein said converting step includes the steps of:

- weighting each number representative of a comparison; and
- summing the weighted numbers.

3 (original). The method as set forth in claim 2 wherein larger numbers receive greater weight than smaller numbers to produce a quasi-RMS calculation.

4 (previously presented). The method as set forth in claim 1 and further including the steps of:

- counting the number of numbers that exceed the first count;
- comparing the number to a fourth count; and
- indicating a voice signal when the first sum exceeds the third count and the number exceeds the fourth count .

5 (previously presented). The method as set forth in claim 1 and further including the steps of:

- counting the number of numbers that exceed the first count;
- comparing the number to a fourth count; and

increasing the first count when the number is greater than the fourth count .

6 (previously presented).The method as set forth in claim 1 and further including the steps of:

counting the number of numbers that are less than the second count;
comparing the number to a fourth count; and
decreasing the second count when the number is less than the fourth count .

7 (previously presented).The method as set forth in claim 6 and further including the step of:

not counting the number of numbers that are less than the second count while the first sum exceeds the third count .

8 (original). The method as set forth in claim 1 wherein comparing step (c) uses only the m most significant bits of the digitized signal.

9 (original). The method as set forth in claim 8 wherein $m = 6$.

10 (previously presented). A method for providing a digital representation of the energy content of an electrical signal, said method comprising the steps of:

- (a) digitizing the signal;
- (b) defining a first count and a second count, wherein the first count is greater than the second count;
- (c) comparing the digitized signal with the first count and the second count to produce a number representative of the comparison;
- (d) repeating steps (b) and (c) to produce a plurality of numbers;
- (e) converting the plurality of numbers into a sum.

11 (original). The method as set forth in claim 10 wherein said converting step includes the steps of:

weighting each number representative of a comparison; and
summing the weighted numbers.

12 (original). The method as set forth in claim 11 wherein larger numbers receive greater weight than smaller numbers to produce a quasi-RMS calculation.

13, 14, 15, 16, 17 (canceled).